

IMMR-IMD0002D (034701-000005)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: David Alexander et al.

SERIAL NO.: 10/657,145

CONFIRMATION NO.: 1899

FILING DATE: September 9, 2003

TITLE: Interface Device and Method for Interfacing Instruments to Medical Procedure Simulation Systems

EXAMINER: Chandra L. Harris Telephone: (571) 272-4448
Fax: (703) 872-9306

ART UNIT: 3714

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450, on the date printed below:

Date: 11/17/2005

Name: Beatrice Orozco

Beatrice Orozco

**MAIL STOP: AMENDMENT
COMMISSIONER FOR PATENTS
P.O. Box 1450
ALEXANDRIA, VA 22313-1450**

INFORMATION DISCLOSURE STATEMENT

Each item of information listed in the attached FORM PTO-1449, for which a copy of each is attached (unless the blanket waiver referred to below applies), may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR §§ 1.56, 1.97 and 1.98. The Examiner is requested to review, consider and document each such item in the official record of this application.

Note: If this box ☒ is checked, this case was filed after June 30, 2003 and qualifies for the blanket waiver of deposit of copies of U.S. Patents and U.S. Patent Application Publications in accordance with the written waiver of 37 CFR §1.98 (a)(2)(i) dated July 11, 2003. Accordingly, such copies are not attached.

This Information Disclosure Statement under 37 CFR §§ 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

I

This statement is filed pursuant to (**CHECK ONE BOX**):

☐

37 C.F.R. § 1.97(b).

This information disclosure statement is filed either:

- (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
- (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- (3) before the mailing date of a first office action on the merits; **or**
- (4) before the mailing of a first office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114, **whichever event occurs last.**

Accordingly, this information disclosure statement requires no fee and no certification.

☒

37 C.F.R. § 1.97(c).

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97(b), but **before** the mailing date of any of the following:

- (1) a final action under 37 C.F.R. § 1.113;
- (2) a notice of allowance under 37 C.F.R. § 1.311; **or**
- (3) an action that otherwise closes prosecution in the application.

Accordingly, this information disclosure statement requires either:

- (1) the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c); **or**
- (2) a certification according to 37 C.F.R. § 1.97 (e)(1) or (2).

☐

37 C.F.R. § 1.97(d).

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97 (c).

Accordingly, this information disclosure statement requires:

- (1) a certification in accordance with 37 C.F.R. § 1.97(e); **and**
- (2) the fee specified in 37 C.F.R. § 1.17 (p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d).

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. **To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.**

II

Fees Due (**CHECK ONE BOX**):

- ☐ No fee is due.
- ☒ The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) or 37 C.F.R. § 1.97(d) is enclosed (\$180).

III

Certification (**CHECK ONE BOX**):

- ☒ No certification is necessary.
- ☐ Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned hereby certifies:
That each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned hereby certifies:
No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this information disclosure statement.

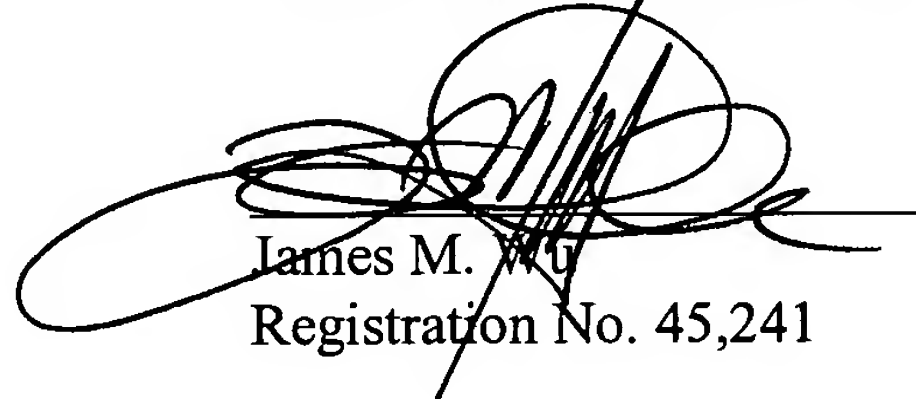
IV

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698.

Respectfully submitted,
THELEN REID & PRIEST LLP

Dated: November 17, 2005



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Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. IMMR-IMD0002D		Serial No. 10/657,145	
Information Disclosure Statement by Applicant				Applicant: David Alexander et al.			
(Use several sheets if necessary)				Filed: September 9, 2003		Group: 3714	
U.S. Patent Documents							
Init.		Document No.	Date	Name	Class	Subclass	Filing Date
Foreign Documents							
							Translation
Init.		Document No.	Date	Country	Class	Subclass	Yes No
	A	0 485 766	5/20/1992	EP			X
	B	0 908 836	4/14/1999	EP			X
	C	0 169 776	1/29/1986	EP			(abstract only)
	D	0 800 804	10/15/1997	EP			X
	E	2 592 514	3/27/1987	FR			(abstract only)
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)							
	F	Ackerman, "The Visible Human Project", Proceeding of the IEEE, Vol. 86, No. 3, March 1998, pp. 504-511.					
	G	Bro-Nielsen, Morten, "Finite Element Modeling in Surgery Simulation", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 490-503.					
	H	Chen et al., "Force Feedback for Surgical Simulation", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 524-530.					
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	J	Dawson et al., "The Imperative for Medical Simulation", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 479-483.					
	K	Delingette, "Toward Realistic Soft-Tissue Modeling in Medical Simulation", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 512-523.					
	L	Hahn et al., "Training Environment for Inferior Vena Caval Filter Placement", Medicine Meets Virtual Reality, 1998, pp. 291-297.					
	M	Hill et al., "Telepresence Technology in Medicine: Principles and Application", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 569-580.					
	N	Hon, "Ixion's Realistic Medical Simulations", Virtual Reality World, July/August 1994, pp. 59-62.					
	O	Jackson et al., "Force Feedback and Medical Simulation", Interactive Technology and the New Paradigm for Healthcare, Chapter 24, 1995, pp. 147-151.					
	P	Kruger et al., "The Responsive Workbench", IEEE Computer Graphics and Applications, 1994, pp. 12-15.					
	Q	Merril et al., "Surgical Simulation Using Virtual Reality Technology: Design, Implementation, and Implications", Surgical Overview Surgical Technology International III, 1994, pp. 53-60.					
	R	Merril et al., "Virtual Heart Surgery Trade Show and Medical Education", Virtual Reality World, July/August 1994, pp. 55-57.					
	S	Merril et al., "Virtual Reality for Trade Shows and Individual Physician Training", Medical Applications, 1994, pp. 40-44.					
Examiner					Date Considered		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.							

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Foreign Documents								
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Init.		Document No.	Date	Country	Class	Subclass	Yes No	
	T	1124372	11/15/1984	SU			X	
	U	1335994	9/7/1987	SU			X	
	V	1732371	5/7/1992	SU			X	
	W	93/08517	4/29/1993	PCT			X	
	X	95/02233	1/19/1995	PCT			X	
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)								
	Y	Merril, "Special Issue on Virtual and Augmented Reality in Medicine", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 471-473.						Merril, No. 3,
	Z	Okie, "Out of Body Medicine: Doctors Turn to Computer Simulators to Enhance Their Skills", Washington Post, November 5, 1996, pp. 12-14, 17.						
	AA	Rosenberg, "Medical Applications of Virtual Reality", Virtual Reality Systems, Vol. 1, No. 3, 1994, pp. 48-50.						
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	AC	Satava, "The Role of Virtual Reality in Medicine of the 21 st Century", Virtual Reality Systems, Vol. 1, No. 2, 1993, pp. 64-67.						
	AD	Shahidi et al., "Clinical Applications of Three-Dimensional Rendering of Medical Data Sets", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 555-568.						
	AE	Smith, "Scanning the Technology", Proceedings of the IEEE, Vol. 86, No. 3, March 1998, pp. 474-478.						
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	AH	95/02801	1/26/1995	PCT			X	
	AI	96/16397	5/30/1996	PCT			X	
	AJ	96/28800	9/19/1996	PCT			X	
	AK	98/10387	3/12/1998	PCT			X	
	AL	98/58308	12/23/1998	PCT			X	
	AM	99/25536	5/27/1999	PCT			X	
	AN	99/38141	7/29/1999	PCT			X	
	AO	99/39317	8/5/1999	PCT			X	
	AP	3834553	4/12/1992	DE			(abstract only)	
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